

0310000000/Cook County  
Heppes-Nelson Roofing Co.  
ILD 984774976

5E0401-A0403

NFA - 444  
9/20/90

non  
haz  
substance

6/56

# CERCLA

## Preliminary Assessment Report



Illinois Environmental  
Protection Agency  
P.O. Box 19276,  
Springfield, IL 62794-9276

RECEIVED

JUN 07 1990

Pre-Remedial  
Unit

EPA Region 5 Records Ctr.



328185

*Confidential Material May be Enclosed*

## Executive Summary

The Heppes-Nelson Roofing Company was placed on CERCLIS June 23, 1989 as a result of the Illinois EPA's review of Chicago area 1920's Sanborn Fire Insurance Maps. The roofing company's plant #2 was located at 4440-4458 Fillmore Street in Chicago, Cook County, Illinois 60624 (the SW 1/4 of Section 15, T. 39N. R. 13E.). According to the Illinois Secretary of State Business Services, the Heppes Company was incorporated in 1902. In 1916, the corporate name was changed to the Heppes-Nelson Roofing Company and in 1931 the stockholders dissolved the corporation.

For approximately 29 years, the Heppes-Nelson Roofing Company made asphalt roofing paper and asphalt shingles at their #2 plant. The three connected brick buildings contained 23,000 square feet of work space. A railroad spur and platforms behind (north side) the buildings made up more than 4,800 square feet. The facility consisted of coal fired steam heat, five underground storage tanks, a frame conveyer on roof, an asphalt furnace, 2 asphalt kettles, an asphalt paper machine and an asphalt shingle machine.

A title search was conducted by the Chicago Title Insurance Company December 20, 1989 for the above address. The search revealed a multitude of proprietors including a smelting company (Imperial Smelting Company), 1936-1946 and a chemical coating company (De Soto Chemical Coating, Inc.), 1960. Attempts by this author, to contact past and present owners, have been fruitless. The title search is included in the Supporting Documentation of this PA.

On December 4, 1989, this author conducted a site reconnaissance which showed possible evidence of a plating operation at the site. Photographs #1 and #2 show Real Brite Plating Corp printed on the front of the building. The reconnaissance found no additional operational information.

During the site reconnaissance, this author was able to obtain photographs inside a fenced area due to a gate left open. The gate may have been left open due to street repairs. Photographs 7-10 show the area to the side (alley) and behind the buildings. This author was confronted by a inquisitive person (possible site operator) who offered no information on the site.

Because of the nature of the manufacturing processes involved at this site, it would be possible that soil/groundwater contamination exists around or under the site. The five underground tanks are not registered with the Office of the State Fire Marshall (OSFM) of Illinois and are, no doubt, still there. According to Jim MacKaslin of OSFM, these tanks are well past their life expectancy. The smelting and plating operation at the site would have generated metal and

acid waste, the asphalt roofing plant would have created aliphatic and aromatic hydrocarbon air releases and possible soil/groundwater releases. Illinois Department of Transportation boring logs show groundwater levels less than 20 feet of surface in the Chicago area.

The site geology consists of clays, sands, and gravels to approximately 120 feet underlain by Silurian limestone to 450 feet. Interbedded limestones and shales are prevalent from 450 to 1000 feet. The closest well is about 2 miles east of the site and obtains water from the limestone aquifer for industrial purposes. Several other industrial wells within 3 miles of the site use this aquifer as well as the deeper Ordovician aquifer system.

After review of the Illinois State Water Survey, IEPA Division of Public Water Supplies and Illinois Department of Public Health lists of groundwater supplies in the area, only one domestic well was found. The usage of this well was not confirmed. The nearest surface water, the Des Plaines River, is 3 miles south-southeast of the site and would not be impacted by the site. The site is located in an industrial area with a fence to curtail access. In light of these situations, the site has been designated as NFRAP due to insufficient targets in the area.

LD31000 0000



**POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 1 - SITE INFORMATION AND ASSESSMENT**

**I. IDENTIFICATION**

01 STATE 02 SITE NUMBER

1LD 984774976

**II. SITE NAME AND LOCATION**

01 SITE NAME (Legal, common, or descriptive name of site)

Heppes - Nelson Roofing Company

02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER

4440-4458 Fillmore Street

03 CITY

Chicago

04 STATE

05 ZIP CODE

06 COUNTY

1L

60624

Cook

07 COUNTY CODE

031

08 CONG DIST

07

09 COORDINATES LATITUDE

41 52 04.0

LONGITUDE

087 43 40.0

Englewood, IL

N4145-W8737.5/7.5

31C

10 DIRECTIONS TO SITE (Starting from nearest public road)

From the Eisenhower Expressway (290) Take Cicero Ave (50) South to Roosevelt Rd, go east to Kilbourn North, site is at the end of street

**III. RESPONSIBLE PARTIES**

01 OWNER (If known)

Villa Park Trust and Savings Bank  
Trust # 1325

02 STREET (Business, mailing, residential)

Main Street

03 CITY

Villa Park

04 STATE

05 ZIP CODE

06 TELEPHONE NUMBER

1L

60181

(708) 834-0800

07 OPERATOR (If known and different from owner)

UNKNOWN

08 STREET (Business, mailing, residential)

09 CITY

10 STATE

11 ZIP CODE

12 TELEPHONE NUMBER

( )

13 TYPE OF OWNERSHIP (Check one)

☒ A. PRIVATE ☐ B. FEDERAL:

(Agency name)

☐ C. STATE☐ D. COUNTY☐ E. MUNICIPAL☐ F. OTHER:

(Specify)

☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED: MONTH DAY YEAR☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: MONTH DAY YEAR☒ C. NONE**IV. CHARACTERIZATION OF POTENTIAL HAZARD**

01 ON SITE INSPECTION

☐ YES

DATE

MONTH DAY YEAR

☒ NO

BY (Check all that apply)

☐ A. EPA☐ B. EPA CONTRACTOR☐ C. STATE☐ D. OTHER CONTRACTOR☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER:

(Specify)

CONTRACTOR NAME(S):

02 SITE STATUS (Check one)

☐ A. ACTIVE☐ B. INACTIVE☒ C. UNKNOWN

03 YEARS OF OPERATION

1902

UNK

BEGINNING YEAR

ENDING YEAR

☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

acids aliphatic hydrocarbons  
 PNA's aromatic hydrocarbons  
 metals other chemicals

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

soil (environment)  
 groundwater (environment/population)

**V. PRIORITY ASSESSMENT**

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

☐ A. HIGH

(Inspection required promptly)

☐ B. MEDIUM

(Inspection required)

☐ C. LOW

(Inspect on time available basis)

☒ D. NONE

(No further action needed, complete current disposition form)

**VI. INFORMATION AVAILABLE FROM**

01 CONTACT

02 OF (Agency/Organization)

03 TELEPHONE NUMBER

04 PERSON RESPONSIBLE FOR ASSESSMENT

Timothy J. Murphy

05 AGENCY

IEPA

06 ORGANIZATION

RPMs

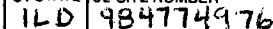
07 TELEPHONE NUMBER

(217) 785-5737

08 DATE

02/22/90

MONTH DAY YEAR



I HIGHLY VOLATILE  
J EXPLOSIVE  
K REACTIVE  
L INCOMPATIBLE  
M NOT APPLICABLE



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
IL0 984774976

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE: \_\_\_\_\_ )  
04 NARRATIVE DESCRIPTION

☒ POTENTIAL ☐ ALLEGED

Shallow depth to G.W. <20'

01 ☐ B. SURFACE WATER CONTAMINATION  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE: \_\_\_\_\_ )  
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

NONE documented or observed

01 ☐ C. CONTAMINATION OF AIR  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE: \_\_\_\_\_ )  
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

NONE documented or observed

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE: \_\_\_\_\_ )  
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

NONE documented or observed

01 ☒ E. DIRECT CONTACT  
03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE: \_\_\_\_\_ )  
04 NARRATIVE DESCRIPTION

☒ POTENTIAL ☐ ALLEGED

The fence around site was left open during the day

01 ☒ F. CONTAMINATION OF SOIL  
03 AREA POTENTIALLY AFFECTED: \_\_\_\_\_  
(Acres)

02 ☐ OBSERVED (DATE: \_\_\_\_\_ )  
04 NARRATIVE DESCRIPTION

☒ POTENTIAL ☐ ALLEGED

Manufacturing processes, UST's may have lead to soil contamination

01 ☒ G. DRINKING WATER CONTAMINATION  
03 POPULATION POTENTIALLY AFFECTED: UNK

02 ☐ OBSERVED (DATE: \_\_\_\_\_ )  
04 NARRATIVE DESCRIPTION

☒ POTENTIAL ☐ ALLEGED

1 domestic well found w/in 3 miles of site

01 ☐ H. WORKER EXPOSURE/INJURY  
03 WORKERS POTENTIALLY AFFECTED: \_\_\_\_\_

02 ☐ OBSERVED (DATE: \_\_\_\_\_ )  
04 NARRATIVE DESCRIPTION

☐ POTENTIAL ☐ ALLEGED

NONE documented or observed

01 ☒ I. POPULATION EXPOSURE/INJURY  
03 POPULATION POTENTIALLY AFFECTED: UNK

02 ☐ OBSERVED (DATE: \_\_\_\_\_ )  
04 NARRATIVE DESCRIPTION

☒ POTENTIAL ☐ ALLEGED

See E. above



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
ILD 984774976

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

NONE documented or observed

01 ☐ K. DAMAGE TO FAUNA  
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

NONE documented or observed

01 ☐ L. CONTAMINATION OF FOOD CHAIN  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

NONE documented or observed

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES  
(Spills runoff standing liquids leaking drums)

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

04 NARRATIVE DESCRIPTION

NONE documented or observed

01 ☐ N. DAMAGE TO OFFSITE PROPERTY  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

NONE documented or observed

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

NONE documented or observed

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

NONE documented or observed

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: UNK

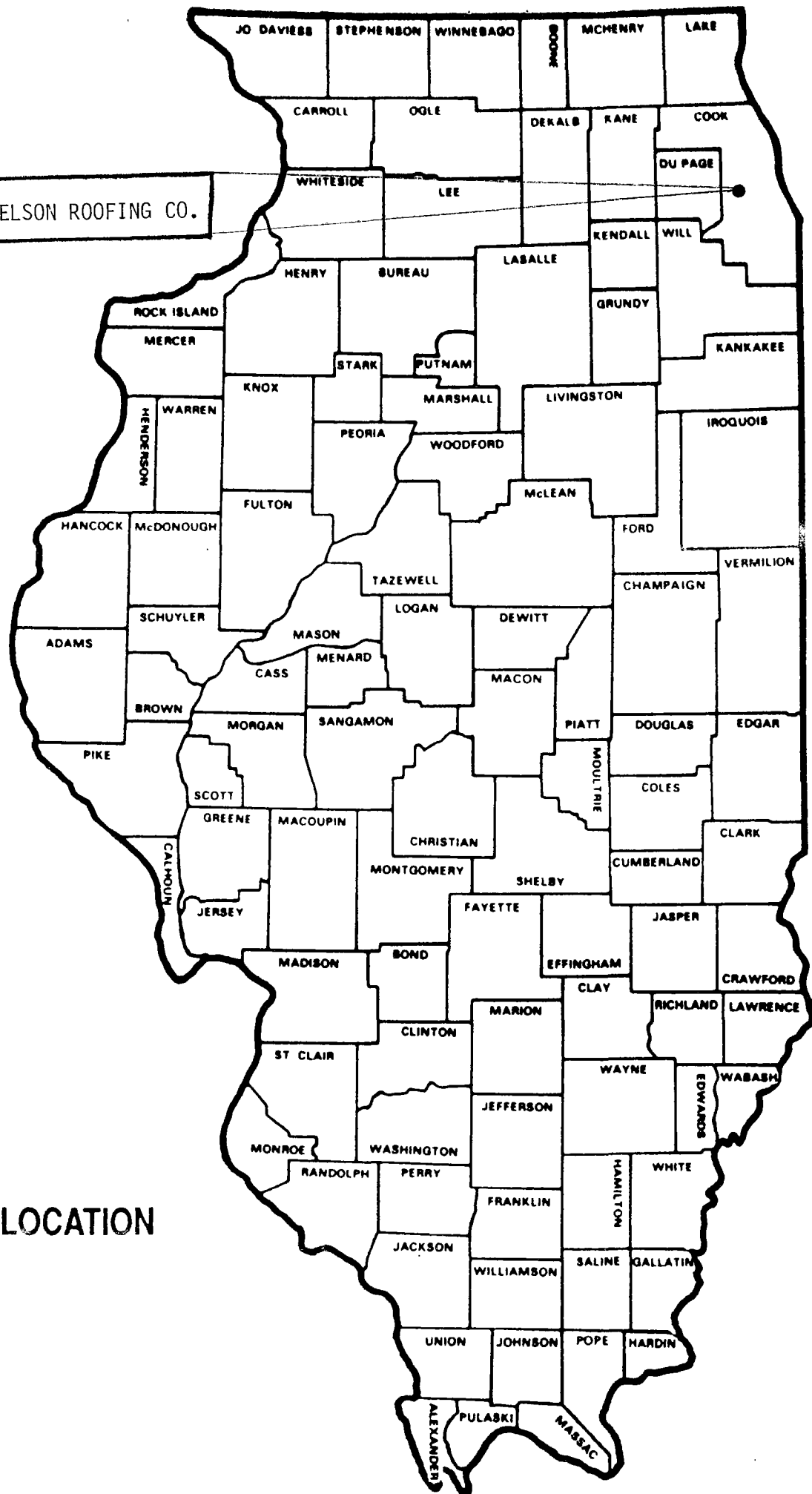
IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

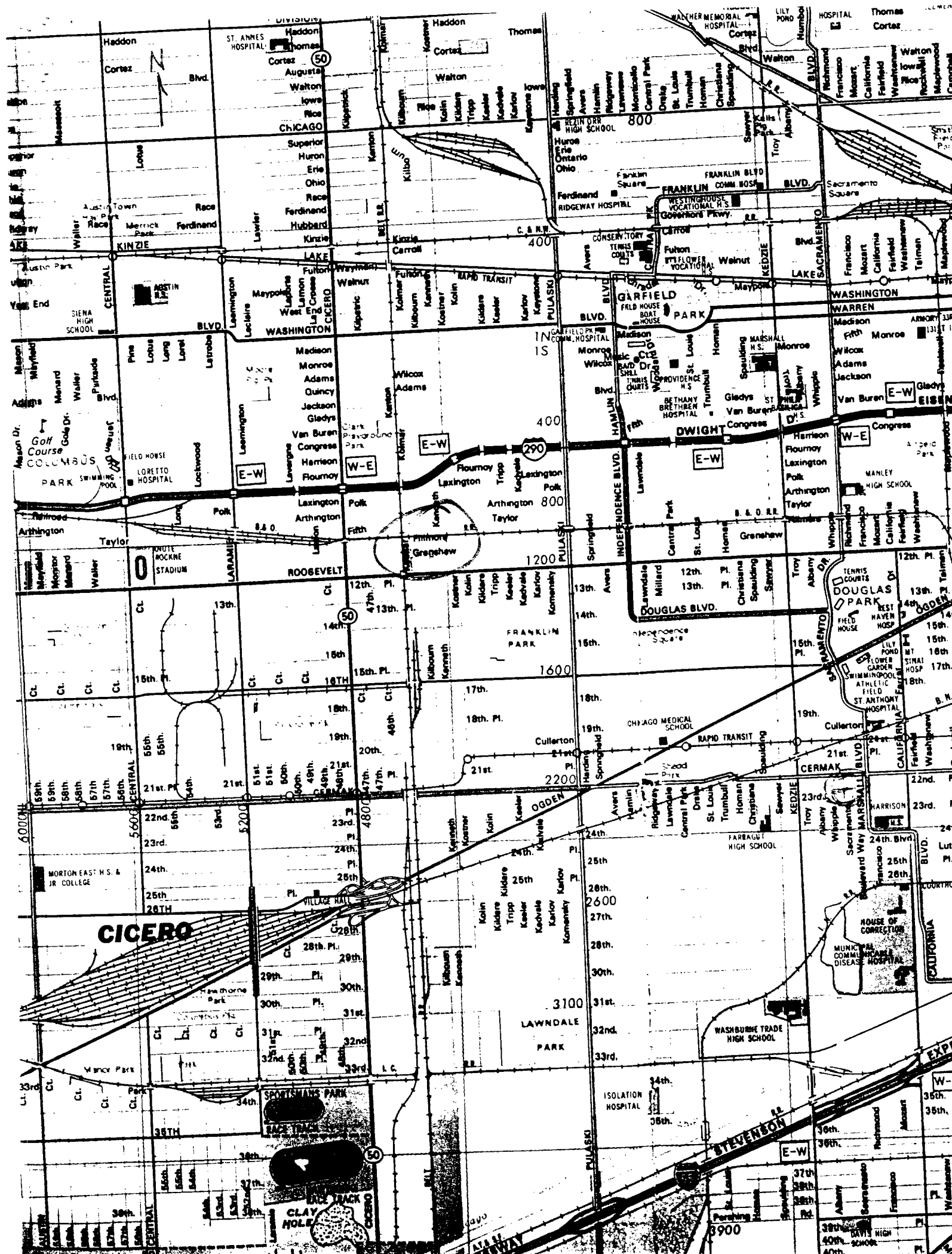
Sanborn Map  
Title Search  
Reconnaissance 12/4/90

HEPPES-NELSON ROOFING CO.

SITE LOCATION







# THE HEPPEES-NELSON ROOFING CO.

## PLANT No2

- 2 WATCHMEN (1 INSIDE & 1 OUTSIDE)
- 6 P.D.T. STAS (INSIDE) & HARDINGE PORT
- CLOCK STAS (OUTSIDE) HOURLY ROUNDS -
- HEAT, STEAM, FUEL, COAL, POWER &
- LIGHTS, ELECTRIC (COMM. CURRENT)
- 3 GAL. LIQUID EXTER. DISTRI. B.
- WIRGEONER FIRE PAIS "
- ONE 50 GAL HAND CHEM. ENG.
- BBLS OF WATER & PAIS DISTRI. B.

AV.

DH.

# THE HEPPEES-NELSON ROOFING CO.

## PLANT No2

6" W. PIPE

OURN

1917 Sanborn Fire  
Insurance Map  
Chicago, IL Vol. 20  
22. (48)

4459 4457 4456 4451 4449 4447

GUYTON & CUMFERT MFG. CO.  
SPECIAL MACHINISTS

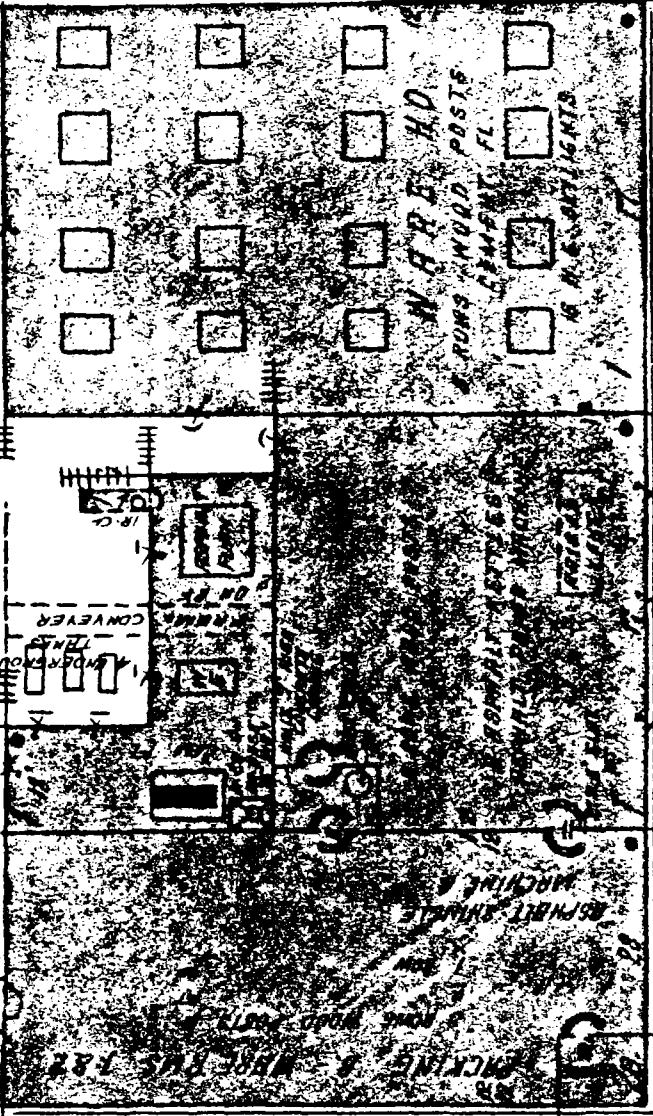
1/28 D

PLANT No2 HIGH

30' IRON

WOOD PLATFM

QUINERO TRNK



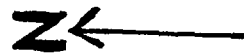
4440

4448

4450

4458

16



# SDMS US EPA Region V

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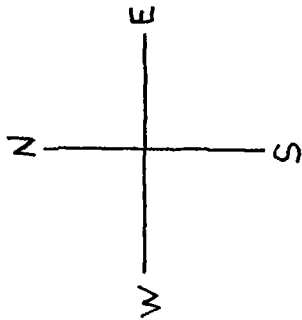
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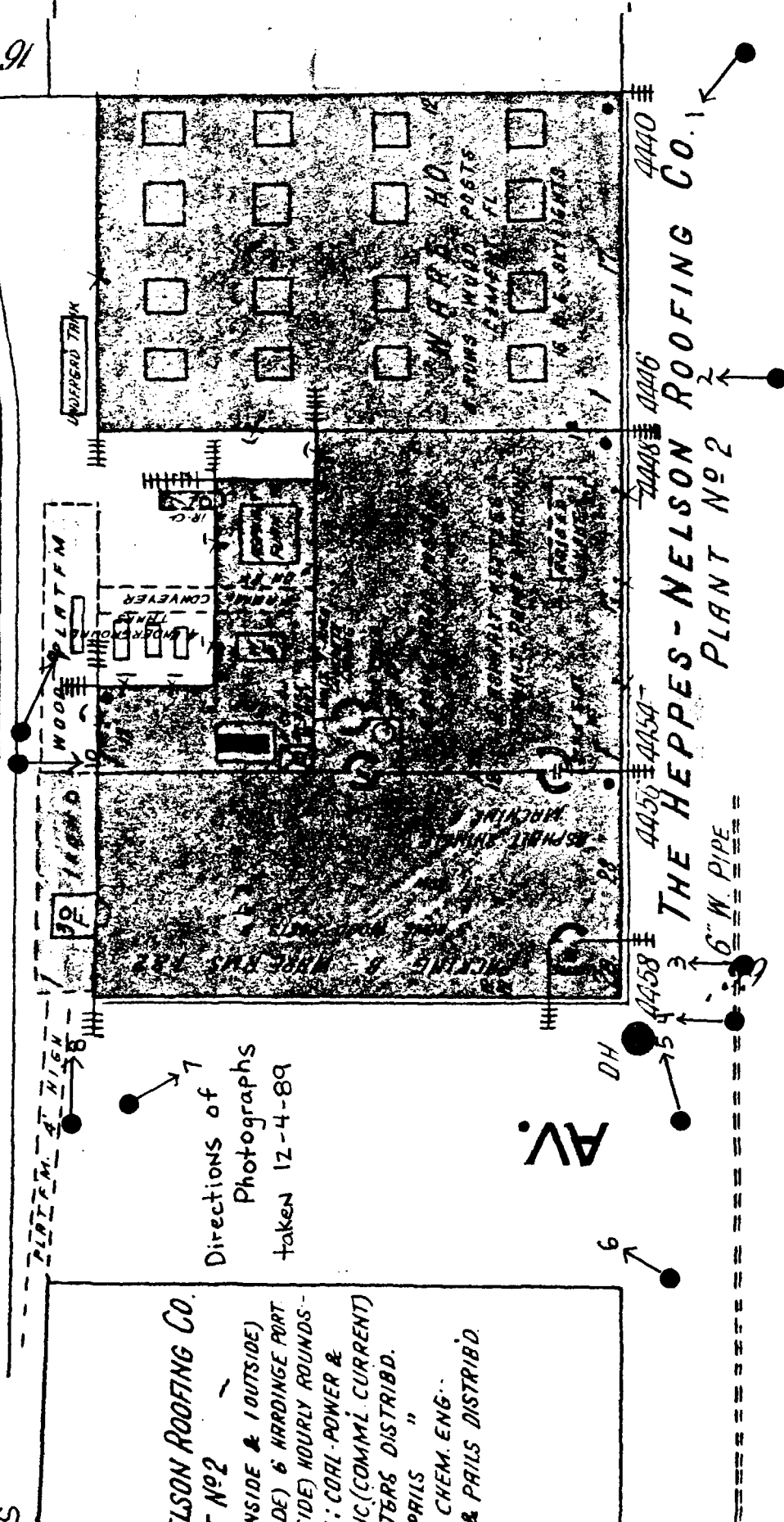


# **THE HEPPE-S NELSON ROOFING CO.**

## **PLANT No 2**

2 WATCHMEN (1 INSIDE & 1 OUTSIDE)  
 6 P.D.T. STAS (INSIDE) 6 HARDINGE PORT  
 CLOCK STAS (OUTSIDE) HOURLY ROUNDS-  
 HEAT, STERIL-FUEL: COAL-POWER &  
 LIGHTS: ELECTRIC (COMM. CURRENT)  
 3 GAL. LIQUID EXTER. DISTRIB.  
 WAGGONER FIRE PAILS  
 ONE 50 GAL HAND CHEM. ENG.  
 38LS OF WATER & PAILS DISTRIB.

Directions of  
 Photographs  
 taken 12-4-89



CURN

GUYTON & GUMFERR MFG CO  
 SPECIAL MACHINISTS

4459 4157 4450 4451 4449 4447

THE HEPPE-S NELSON ROOFING CO. 1  
 PLANT No 2

6

AV.

5

4458

6\" W PIPE

4450 4454

4448

4446

4440

128 D



DATE: Dec. 4, 1989

TIME: 2:00 pm

Photograph by:

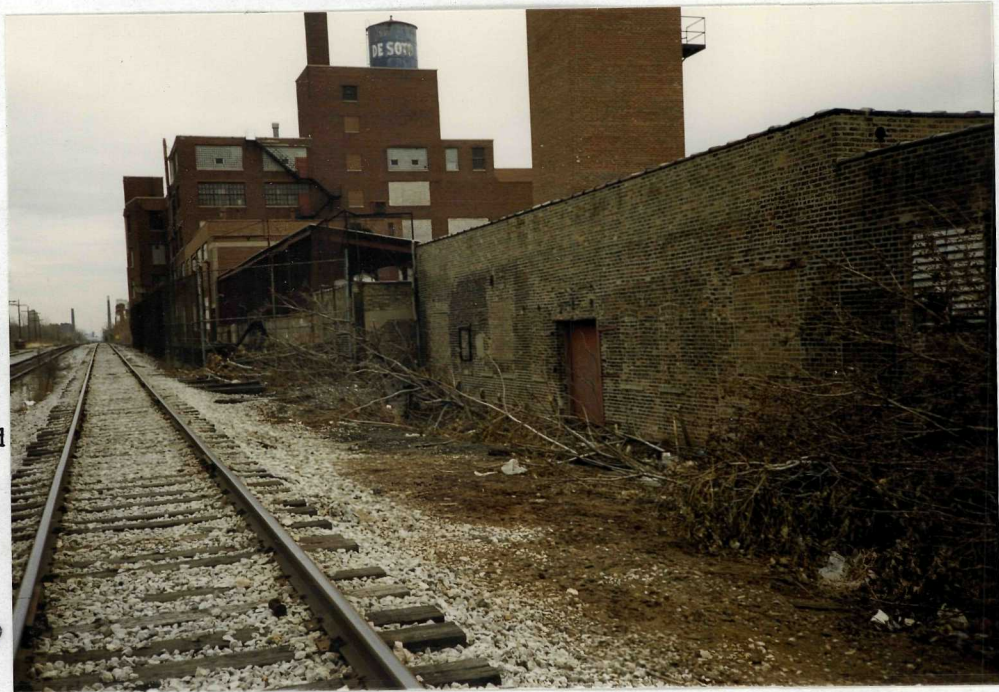
Tim Murphy

Location: 4440 - 4458

Fillmore St., Chicago,

Cook Co., IL 60624

Comments: Picture taken toward  
the east-south east along  
the back side (North) part  
of building Notice: DE SOTO  
Chemical in background



9

DATE: Dec. 4, 1989

TIME: 2:00 pm

Photograph by:

Tim Murphy

Location: 4440 - 4458

Fillmore St., Chicago

Comments: Picture taken toward  
the south at the ground  
on the North side of  
the building



10



DATE: Dec. 4, 1989

TIME: 2:00 pm

Photograph by:

Tim Murphy

Location: 4440 - 4458

Fillmore St., Chicago,

Cook Co., IL 60624

Comments: Picture taken toward  
the southeast in area  
between buildings



7

DATE: Dec. 4, 1989

TIME: 2:00 pm

Photograph by:

Tim Murphy

Location: 4440 - 4458

Fillmore St., Chicago

Comments: Picture taken toward  
the east along the  
back (North) side of  
the building



8



DATE: Dec. 4, 1989

TIME: 2:00 pm

Photograph by:

Tim Murphy

Location: 4440 - 4458

Fillmore St., Chicago,

Cook Co., IL 60624

Comments: Picture taken toward

the Northeast on Fillmore  
St. looking at the entire  
frontage (south side) of  
the



5

DATE: Dec. 4, 1989

TIME: 2:00 pm

Photograph by:

Tim Murphy

Location: 4440 - 4458

Fillmore St., Chicago

Comments: Picture taken toward

the North on Fillmore  
St. of area between  
buildings



6



DATE: Dec. 4, 1989

TIME: 2:00 pm

Photograph by:

Tim Murphy

Location: 4440 - 4458

Fillmore St., Chicago,

Cook Co., IL 60624

Comments: Picture taken toward  
the north on Fillmore St.  
at 4458



3

DATE: Dec. 4, 1989

TIME: 2:00 pm

Photograph by:

Tim Murphy

Location: 4440 - 4458

Fillmore St., Chicago

Comments: Picture taken toward  
the north along west  
side of building



4



DATE: Dec. 4, 1989

TIME: 2:00 pm

Photograph by:

Tim Murphy

Location: 4440 - 4458

Fillmore St., Chicago,

Cook Co., IL 60624

Comments: Picture taken toward  
the Northwest on Fillmore  
St. at 4440



1.

DATE: Dec. 4, 1989

TIME: 2:00pm

Photograph by:

Tim Murphy

Location: 4440 - 4458

Fillmore St., Chicago

Comments: Picture taken toward  
the North on Fillmore St.  
at 4444, Notice: REAL  
BRITE PLATING CORP. ON  
south side of building



2.

# Supporting Documentation

## Supporting Documentation

<u>Document</u>	<u>Reference No.</u>
Secretary of State Corporation Notice	1
Title Search	2
ISWS Well List	3
Definition of Asphalt	4
Well Logs	5

REFERENCE NUMBER 1

# STATE OF ILLINOIS

Department



of State.

JAMES A. ROSE, Secretary of State.

To All to Whom these Presents Shall Come.—Greeting:

WHEREAS, a **STATEMENT**, duly signed and acknowledged, has been filed in the office of the Secretary of State, on the 3rd day of March A. D. 1902, for the organization of the

The Heppes Company  
under and in accordance with the provisions of "AN ACT CONCERNING CORPORATIONS," approved April 18, 1872, and in force July 1, 1872, and all acts amendatory thereof, a copy of which statement is hereunto attached:

AND WHEREAS, a **LICENSE** having been issued to H. W. Binnie  
O. A. Heppes and John R. Philp  
as Commissioners to open books for subscription to the Capital Stock of said Company:

AND WHEREAS, the said Commissioners have, on the Seventeenth day of March A. D. 1902, filed in the office of the Secretary of State, a report of their proceedings under the said License, a copy of which report is hereunto attached:

Now, Therefore, I, JAMES A. ROSE, Secretary of State of the State of Illinois, by virtue of the powers vested in me by law, do hereby certify that the said

The Heppes Company  
is a legally organized Corporation under the laws of this State.

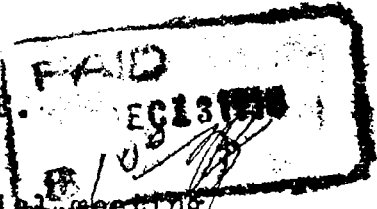
In Testimony Whereof, I hereunto set my hand and cause to be affixed the Great Seal of State.

Done at the City of Springfield, this 17th day of March A. D. 1902, and of the Independence of the United States the one hundred and 26th

James A. Rose  
SECRETARY OF STATE.



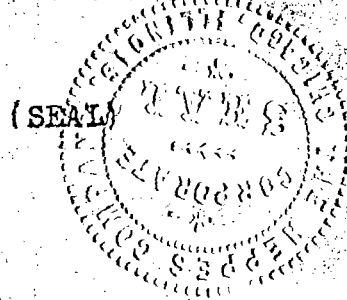
CERTIFICATE OF CHANGE OF NAME.



IT IS HEREBY CERTIFIED, That at a special meeting of the stockholders of The Heppes Company, held at the office of said Corporation, in Chicago, County of Cook, State of Illinois, on the 5th day of December, A. D. 1916, pursuant to notice duly given, it was voted, all the votes represented by the whole stock of said Corporation voting in favor thereof, to change the name of said Corporation from The Heppes Company to that of The Heppes Nelson Roofing Company.

WITNESS, The hand of the President of said Corporation and its corporate seal, this 5<sup>th</sup> day of December, A. D. 1916.

Henry W. Binnie  
President



828  
46185

Attest: O. A. Heppes  
Secretary.

State of Illinois )  
County of Cook ) SS.

Henry W. Binnie, being duly sworn, on oath says that he is the President of The Heppes Company, the above named corporation, and that the foregoing certificate of change of name, of said corporation, by him subscribed, is true.

Henry W. Binnie  
President.

SUBSCRIBED and SWORN to this 11<sup>th</sup> day of December, A. D. 1916, before me.



Norman A. Aimer  
Notary Public.



To all to whom these Presents Shall Come, Greeting:

Whereas, from a certificate duly signed and verified under oath  
filed in the Office of the Secretary of State on the 15th day of May  
A.D. 1931 it appears that at a meeting of the stockholders of the  
THE HEPPES-NELSON ROOFING COMPANY

duly convened, a resolution was passed to dissolve

in accordance with the provisions of an Act entitled "AN ACT IN RELATION TO CORPORATIONS FOR PECUNIARY PROFIT" approved June 28, 1919, in force July 1, 1919, and all acts amendatory thereof, a copy of which certificate is hereto attached;

Now Therefore, I, WILLIAM J. STRATTON, Secretary of State of the State of Illinois,  
by virtue of the powers vested in me by law, do hereby certify that  
THE HEPPES-NELSON ROOFING COMPANY  
has legally dissolved

as provided in the aforesaid Act.

In Testimony Whereof, I hereto set my hand and cause to  
be affixed the Great Seal of the State of Illinois,  
Done at the City of Springfield this 15th  
day of May A.D. 1931 and  
of the Independence of the United States  
the one hundred and 55th.

SEAL

WILLIAM J. STRATTON

SECRETARY OF STATE.

A 66121 MAY 15 '31

PAID  
MAY 15 1931  
\$ 1.00

FORM G.

THIS CERTIFICATE MUST BE FILED IN DUPLICATE.

3

CERTIFICATE.

STATE OF OHIO :  
: SS:  
HAMILTON COUNTY:

I hereby certify that at a special meeting of the stockholders of The Heppes-Nelson Roofing Company held at Twenty-sixth Avenue and Lake Street, Melrose Park, Illinois, on the 5th day of May, A.D. 1931, at two o'clock, P.M., pursuant to the waiver of notice a copy of which said waiver of notice is as follows, to wit:

"We, the undersigned, being all the stockholders of The Heppes-Nelson Roofing Company, do hereby waive all notice required by statute for the purpose of convening a meeting of stockholders to vote on the proposition of dissolving said Corporation and do hereby consent that said meeting shall be held at Twenty-sixth Avenue and Lake Street, Melrose Park, Illinois, on the 5th day of May, A.D. 1931.

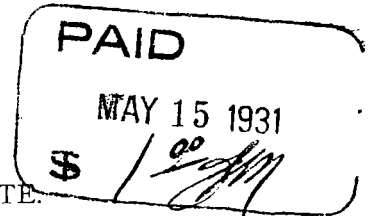
(Signed) THE RICHARDSON COMPANY,  
By J. M. Richardson, President,  
John M. Richardson,  
Wilbur LaRue,  
O. O. Rieser,  
J. M. Richardson, Jr."

858  
185

get rpt

FORM G.

THIS CERTIFICATE MUST BE FILED IN DUPLICATE.



STATE OF ILLINOIS,

ss.

County of \_\_\_\_\_

I hereby certify that a \_\_\_\_\_ meeting of the stockholders of \_\_\_\_\_

was held at \_\_\_\_\_ Illinois, at the hour of \_\_\_\_\_ o'clock \_\_\_\_\_ M., pursuant to notice required by law, which notice was delivered personally (or deposited in the postoffice, properly posted) at least twenty days before the time fixed for such meeting, properly addressed to each stockholder, stating the time, place and object of such meeting.

A general notice stating the time, place and object of such meeting was also published for three successive weeks in the \_\_\_\_\_, a newspaper printed and published in \_\_\_\_\_ County of \_\_\_\_\_ State of Illinois.

A certificate of publication of such notice is hereto attached and marked Exhibit A.



(3) The complete itemized list of all its corporate assets and property distributed to the stockholders, were as follows:

None

(4) The name of each stockholder and the amount of assets distributed received by each and date of distribution were as follows:

The Richardson Company,  
John M. Richardson,  
Wilbur LaRue,  
O. O. Rieser,,

J. M. Richardson, Jr.

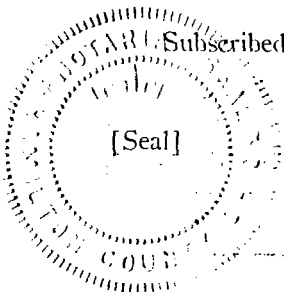
There were no assets for distribution.

OHIO  
STATE OF ~~ILLINOIS~~,  
County of HAMILTON } ss.

I, John M. Richardson, being duly sworn, declare on oath that I am President of the Corporation mentioned in the foregoing certificate, and that the statements therein made are true in substance and in fact.

IN WITNESS WHEREOF, I have hereunto set my hand and caused the seal of said Corporation to be affixed, this 6<sup>th</sup> day of May, A.D. 1931.

John M Richardson  
President.



Subscribed and sworn to before me this 6<sup>th</sup> day of May, A. D. 1931.

Clare Lehman  
Notary Public.

FILED  
MAY 15 1931  
William J. Swanton  
SECRETARY OF STATE.

FORM G.

Box 858 No. 46185

CERTIFICATE OF DISSOLUTION

of

The THE HEPPESS-NELSON ROOFING  
COMPANY

Fee for filing this, \$1.00

NOTICE: Where the notice prescribed by statute for the convening of a meeting of the stockholders to vote on any change is waived the certificate should be changed to show this fact, and that portion of the certificate relating to the giving of such notice stricken out and a copy of the waiver of notice attached so that the certificate will then be in the following form:

STATE OF ILLINOIS, } ss.

County of \_\_\_\_\_  
I hereby certify that at a special meeting of the stockholders of the \_\_\_\_\_ held at \_\_\_\_\_ on the \_\_\_\_\_ day of \_\_\_\_\_ A. D. 193\_\_\_\_ at \_\_\_\_\_ o'clock \_\_\_\_\_ M., pursuant to the waiver of notice a copy of which said waiver of notice is as follows, to-wit:

We, the undersigned, being all the stockholders of \_\_\_\_\_ do hereby waive all notice required by statute for the purpose of convening a meeting of stockholders to vote on the proposition of \_\_\_\_\_ and do hereby consent that said meeting shall be held at \_\_\_\_\_ on the \_\_\_\_\_ day of \_\_\_\_\_ A. D. 193\_\_\_\_ (SIGNED)

Dated \_\_\_\_\_ day of \_\_\_\_\_ A. D. 193\_\_\_\_  
(If waiver is used, copy this form and attach to first page of each certificate.)



# REFERENCE NUMBER 2

Illinois Environmental Protection Agency · P.O. Box 19276, Springfield, IL 62794-9276

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217/782-5544

December 13, 1989

Mr. James Weston  
Vice President & Regional Counsel  
Chicago Title Insurance Company  
111 West Washington  
Chicago, Illinois 60602

Re: Primary Title Search per Contract BIE-9018  
4440-4458 Fillmore Street  
Chicago, Illinois

Dear Mr. Weston:

I request a title search be performed for the above referenced property in Cook County. The search should produce the legal description and identify the owners from 1900 to the present. Our records show the property was last used by Heppes-Nelson Roofing Company.

Should you have any questions, please do not hesitate to call.

Sincerely,

A handwritten signature in cursive script, appearing to read "Michael J. McCabe".

Michael J. McCabe  
Enforcement Programs

MJM:kh/36-1

Enclosures

cc: Tim Murphy (24)  
Carol Meyer (24)

DEC 14 1989

INVENTORY OF SITES ON WHICH ENVIRONMENTAL  
RECLAMATION LIENS WILL BE PLACED

Please complete this form as best as possible for each site for which you are responsible on the attached list. Return the form to Michael McCabe, Enf., 782-3188. Please make additional photocopies of this form as necessary. Please include as much information as possible, and if you have a map of the site, please so indicate. If you have the legal description of the site, please include it.

Name of Site: Hepges-Nelson Roofing Co. Plant #2

Name of Owner: \_\_\_\_\_

Address of Owner: \_\_\_\_\_

Address or Description of Location: \_\_\_\_\_

4440 - 4458 Fillmore Street

Chicago, Illinois

City or Village: Chicago

County: Cook

LPC#: \_\_\_\_\_

IEPA Enf. File #: \_\_\_\_\_

Project Manager: Tim Murphy

Assigned Attorney: \_\_\_\_\_

Has Sec. 4(q) or 4(v) been issued: \_\_\_\_\_ YES \_\_\_\_\_ NO

If yes, date issued and to whom: \_\_\_\_\_

# CHICAGO TITLE INSURANCE COMPANY

---

111 WEST WASHINGTON STREET, CHICAGO, ILLINOIS 60602



## LEGAL DESCRIPTION FOR ORDER# S-9121423

PARCEL 1: THAT PART OF THE EAST 1/2 OF THE SOUTHWEST 1/4 OF SECTION 15, TOWNSHIP 39 NORTH, RANGE 13, EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT A POINT IN THE NORTH LINE OF FILLMORE STREET, AND THE CENTER LINE OF VACATED KILBOURN AVENUE, THENCE NORTH ALONG THE CENTER LINE OF SAID VACATED STREET, 148.90 FEET TO THE SOUTH LINE OF THE CHICAGO AND GREAT WESTERN RAILROAD, THENCE EAST ALONG THE SOUTH LINE OF SAID RAILROAD, 82.33 FEET; THENCE SOUTH ON A LINE WHICH PASSES THROUGH THE CENTER OF EXISTING TWELVE INCH BRICK WALL, 148.64 FEET TO THE NORTH LINE OF FILLMORE STREET, THENCE WEST ALONG THE NORTH LINE OF SAID STREET, 82.26 FEET TO THE PLACE OF BEGINNING, IN COOK COUNTY, ILLINOIS.

PARCEL 2: THAT PART OF THE EAST 1/2 OF THE SOUTHWEST 1/4 OF SECTION 15, TOWNSHIP 39 NORTH, RANGE 13, EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS: COMMENCING AT A POINT IN THE NORTH LINE OF FILLMORE STREET, 401.25 FEET WEST OF THE INTERSECTION OF SAID NORTH LINE WITH THE WEST LINE OF SOUTH KOSTNER AVENUE, RUNNING THENCE WEST 233.05 FEET ALONG THE SAID NORTH LINE OF FILLMORE STREET TO A POINT WHICH IS IDENTICAL WITH WHAT WAS FORMERLY THE CENTER LINE OF KILBOURN AVENUE, (NOW VACATED); THENCE NORTH ON SAID CENTER LINE, 148.27 FEET (MORE OR LESS) TO THE SOUTH LINE OF SAID RIGHT OF WAY OF THE CHICAGO, GREAT WESTERN RAILROAD; THENCE EASTERLY 233.05 FEET (MORE OR LESS) ALONG THE SOUTH LINE OF SAID RIGHT OF WAY TO A POINT 401.25 FEET WEST OF SAID WEST LINE OF SAID SOUTH KOSTNER AVENUE (MEASURED ON A LINE PARALLEL WITH SAID NORTH LINE OF FILLMORE STREET); THENCE SOUTH 148.27 FEET TO THE PLACE OF BEGINNING, (EXCEPT THAT PART OF SAID TRACT DESCRIBED AS FOLLOWS: COMMENCING AT A POINT IN THE NORTH LINE OF FILLMORE STREET, AND THE CENTER LINE OF VACATED KILBOURN AVENUE; THENCE NORTH ALONG THE CENTER LINE OF SAID VACATED STREET, 148.90 FEET TO THE SOUTH LINE OF THE CHICAGO AND GREAT WESTERN RAILROAD; THENCE EAST ALONG THE SOUTH LINE OF SAID RAILROAD, 82.33 FEET; THENCE SOUTH ON A LINE WHICH PASSES THROUGH THE CENTER OF EXISTING TWELVE INCH BRICK WALL, 148.64 FEET TO THE NORTH LINE OF FILLMORE STREET; THENCE WEST ALONG THE NORTH LINE OF SAID STREET, 82.26 FEET TO THE PLACE OF BEGINNING), IN COOK COUNTY, ILLINOIS.

# CHICAGO TITLE INSURANCE COMPANY

111 WEST WASHINGTON STREET, CHICAGO, ILLINOIS 60602



Special Search Department  
(312) 630-2582/2583

TO: ILL. ENVIRONMENTAL PROTECTION AGENCY  
P.O. BOX 19276  
SPRINGFIELD, IL. 62794-9276  
ATTN: MICHAEL J. McCABE

CTIC Order No.: S-9121423

Cover Date: 12/20/89 NT/JW

Applicant Identification of Order: HEPPE-SNELSON  
ROOFING CO.

Legal Description of Land Searched:

SEE ATTACHED SHEET FOR LEGAL DESCRIPTION.

**RECEIVED**  
**ENFORCEMENT PROGRAMS**  
**JAN 0 4 1990**

**Environmental Protection Agency**

Permanent Index No.: 16-15-325-004-0000 +  
16-15-325-005-0000

Street Address of Land Searched (as furnished by  
Applicant): 4440-4458 FILLMORE ST., CHICAGO

Grantee/s in last recorded conveyance:

SEE BELOW

Pursuant to the request of applicant, we have searched our tract indices as of the above Cover Date in regard to the land described above, and we find that the above named person/s is/are the grantee/s in the last recorded conveyance of said land. We further find the following listed items posted therein. Said items may include deeds, mortgages, trust deeds, releases, mechanics' liens, leases, and lis pendens notices of suits to establish and enforce liens or other rights in land, as required by the request of applicant.

Document or Case No.	Grantor	Grantee	Instru ment	Date	Recorded	Remarks
1244807	GEO. A. STOVER	GEORGE F. STODDER	WD	4/3/1890	4/4/1890	
1291012	GEO. F. STODDER & WF.	SAM'L KERR	QC	4/3/1890	6/21/1890	
1354430	SAM'L KERR & WF.	JOHN C. SCHUMACHER	WD	8/14/1890	10/15/1890	
6153125	WM. S. CORBIN	THE HEPPE-SNELSON ROOFING CO.	QC	7/14/17	7/14/17	KILBOURN AVE.
10211293	HEPPES NELSON RFG. CO.	RICHARDSON CO.	QC	9/19/28	11/20/28	KILBOURN AVE.
10211292	SAME	SAME	QC	9/19/28	11/20/28	KILBOURN AVE.
LR 519604	THE RICHARDSON CO.	BENJ, ABRAHAM I. & HAROLD A. ZIFF	L	8/25/30	9/11/30	TO 8/31/37
						(FORWARD)

SEE OTHER SIDE FOR TERMS OF SEARCH AND EXPLANATION OF ABBREVIATIONS

## ABBREVIATIONS FOR INSTRUMENTS

Instrument	Symbol	Joint Tenancy	Instrument	Symbol	Joint Tenancy
Agreement for Deed	AD	ADJ	Extension	E	
Assignment	A		Financing Statement	FS	
Assignment of Rents	AR		Lease	L	
Building Violation	BV		Lis Pendens Notice	LPN	
Certificate of Sale	CS		Mechanics Lien Claim	MLC	
Chattel Mortgage	CM		Mortgage	M	
Claim for Lien	CL		Quit Claim Deed	Q	QJ
Conservator's Deed	CD	CDJ	Release	R	
Deed	D	DJ	Satisfaction	S	
Deed in Trust	DT		Special Warranty Deed	SW	SWJ
Executors Deed	ED	EDJ	Trust Deed	TD	
			Warranty Deed	W	WJ

This search is of the land described herein by legal description and where based upon a street address furnished by applicant, Chicago Title Insurance Company assumes no liability for the accuracy of the determination that the street address so furnished and listed, and the land described by legal description, constitute the same premises. This search is made of Chicago Title Insurance Company tract indices which are geographic indices organized by legal description. Recorded instruments, including deeds or mortgages, which do not contain legal descriptions, are not posted in Chicago Title Insurance Company tract indices and will not be disclosed by this search.

Chicago Title Insurance Company has made this search using the same care and diligence for applicant as Chicago Title Insurance Company uses for itself in preparing tract index searches for use in underwriting title insurance policies, and no greater. The liability of Chicago Title Insurance Company for searching errors is limited to actual damages sustained by applicant, but such damages shall not exceed \$30,000.00. Nonpayment by applicant of CTIC search charges shall relieve CTIC of all liability for posting, searching, and reporting error. CTIC does not analyze instruments for legal sufficiency. Instruments are posted to tract indices and reported by searchers based on the characterization of the instrument by its preparer. This search is not a title insurance policy and should not be relied upon as such.

This search is made by Chicago Title Insurance Company solely for the benefit of the applicant. No third party (other than a party making a loan on the land described herein) shall have any right to rely on said search for any purpose whatsoever under any third party beneficiary theory, products liability theory, or any other theory of law whatsoever.

U.S. Fair Credit Reporting Act, 15 U.S.C. 1681-1681t Statement:

This search is furnished by Chicago Title Insurance Company to applicant for the purpose of providing information relative to the record ownership of the subject land and without any regard to the credit worthiness of the particular parties who have owned or possessed the land during the search period.

DOCUMENT NO.	GRANTOR	GRANTEE	INSTRUMENT	DATE	RECORDED	REMARKS
LR 622428	THE RICHARDSON CO.	BENJ, ABRAHAM I. & HAROLD A. ZIFF	WD	9/1/33	11/28/33	
11368288	ABRAHAM I. ZIFF & WF. SADIE	PETER ZIFF	QC	3/2/34	3/6/34	
11502514	HAROLD ZIFF et al	JOSEPH PERLMAN	QC	11/9/34	11/15/34	
LR 710370	BENJ. ZIFF & WF. MOLLIE	HAROLD A. ZIFF	QC	1/7/36	1/8/36	
4905975	SAM'L KERR & WF.	WM. S. CORBIN	QC	1/24/12	1/30/12	16 FOOT STRIP NORTH AND ADJOINING
4905976	GEO. F. STODDER & WF.	SAME	QC	1/23/12	1/30/12	SAME
4913748	WM. S. CORBIN & WF.	THE HEPPE CO. (cp)	QC	2/13/12	2/15/12	
5315015	GEO. F. STODDER & WF.	WM. S. CORBIN	QC	11/29/13	12/2/13	
5315016	SAM'L KERR & WF.	SAME	QC	11/28/13	12/2/13	
LR 35695	SAME	SAME	QC	11/28/13	12/11/13	
LR 35696	GEO. F. STODDER & WF.	SAME	QC	11/29/13	12/11/13	
5323600	WM. S. CORBIN & WF.	THE HEPPE CO. (cp)	QC	12/11/13	12/16/13	
1372504	JOHN C. SCHUMACHER & WF.	CHAS. C. SCHUMACHER	WD	9/26/1890	11/15/1890	LOT 17
1458616	CHAS. C. SCHUMACHER & WF.	BERTHA MAYER	WD	4/23/1891	4/29/1891	LOT 17
4048755	BERTHA MAYER & HUS.	ELLEN M. SCHALLER	WD	5/17/07	6/7/07	LOT 17
4049920	ELLEN M. SCHALLER	THE HEPPE CO.	WD	6/6/07	6/10/07	LOTS 17,18 & 19
LR 3684432	HEPPES NELSON RFG. CO.	RICHARDSON CO.	WD	7/12/27	8/22/27	LOTS 17 TO 24
9755682	SAME	SAME	WD	7/12/27	8/22/27	SAME
1370429	JOHN C. SCHUMACHER & WF.	FRED'K. BOLDENWECK	WD	9/26/1890	11/12/1890	LOTS 20,21 & 22
						(FORWARD)_



DOCUMENT NO.	GRANTOR	GRANTEE	INSTRUMENT	DATE	RECORDED	REMARKS
1501413	JOHN C. SCHUMACHER	BERTHA WALLACH	WD	6/20/1891	7/9/1891	LOTS 23 & 24
2432834	PATRICK J. FEENEY & WF.	MICHAEL B. SHIELDS	WD	8/22/1896	8/24/1896	LOT 19
2432835	MICHAEL B. SHEILDS & WF.	ELLEN FEENEY	WD	8/22/1896	8/24/1896	LOT 19
3145381	BERTHA WALLACH & HUS.	EDWARD TYNE	WD	8/31/01	9/4/01	LOTS 23 & 24
3259145	EDWARD TYNE & WF.	HEADRICK H. BEEBE	WD	6/10/02	6/16/02	LOT 23
3946754	JOHN. C. SCHUMACHER & WF.	PATRICK FEENEY	WD	9/26/1890	10/29/06	LOT 19
3952662	HEADRICK H. BEEBE & WF.	EMMA E. LINDE & ELLA GRAHAM	WD	11/8/06	11/10/06	LOT 23
3952913	ELLEN FEENEY & HUS.	FRED I. FEE	WD	10/24/06	11/12/06	LOT 19
LR 5706	EMMA E. LINDE et al	THE HEPPES CO.	WD	2/5/07	2/6/07	LOT 23
4049919	FRED I. FEE	ELLEN M. SCHALLER	WD	5/17/07	6/10/07	LOT 19
4153135	EDWARD TYNE & WF.	SAME	WD	1/16/08	1/27/08	LOT 24
4275431	FRED'K BOLDENWECK & WF.	SAME	WD	3/19/07	10/16/08	LOTS 20, 21 & 22
4290201	SAME	SAME	WD	3/19/07	11/17/08	SAME
LR 710432	HAROLD A. ZIFF	EDWARD ZIFF	QC	1/8/36	1/8/36	
LR 712745	ABRAHAM I. ZIFF & WF. SADIE	PETER ZIFF	QC	3/2/34	1/31/36	
LR 732810	EDWARD ZIFF	SAME	QC	8/10/36	8/11/36	
LR 736912	PETER ZIFF & WF. BELLE	SEYMOUR ZIFF	QC	9/15/36	9/25/36	UNDIVIDED 1/2
LR 742757	SAME	SAME	QC	11/12/36	12/1/36	
LR 743738	SAME, et al	IMPERIAL SMELTING CP.	L	11/5/36	12/11/36	
						(FORWARD)

DOCUMENT NO.	GRANTOR	GRANTEE	INSTRUMENT	DATE	RECORDED	REMARKS
LR 879380	SEYMOUR ZIFF	SADIE ZIFF	WD	12/10/40	12/12/40	
12915146	JOSEPH PERLMAN	HAROLD & BENJAMIN ZIFF	QC	10/18/34	6/25/42	
LR 943771	SADIE ZIFF & HUS. ABRAHAM	IMPERIAL SMELTING CP.	L	6/1/42	6/27/42	
LR 1083531	SAME	A. FINEBERG	D	1/31/46	2/1/46	PARCEL 1
LR 1133192	SAME	IMPERIAL SMELTING CP.	L	11/26/46	1/13/47	
14109702	SPCL. COMM. PROB. CT. 47P 4721	HILDA FINEBERG	D	7/24/47	7/28/47	PARCEL 1
464/91	ABE FINEBERG (D)		EST		7/10/47	PARCEL 1
LR 1331560	SPCL. COMM. PROB. CT. 47P 4721	HILDA FINEBERG	QC	7/24/47	12/15/50	PARCEL 1
LR 1331562	HILDA FINEBERG	AMERICAN NB&T CO. OF CHGO. TR# 8341	DT	10/12/50	12/15/50	PARCEL 1
LR 1553437	AMERICAN NB&T CO. OF CHGO. TR# 8341	ABRAHAM I. ZIFF & WF. SADIE	DJ	10/13/54	10/15/54	PARCEL 1
17818446	ABRAHAM & SADIE ZIFF	DE SOTO CHEMICAL COATINGS INC. (cp DEL)	L	3/25/60	3/31/60	
LR 2039930	SADIE ZIFF & HUS.	MYRNA L. MEDOFF	QC	6/1/62	6/21/62	PARCEL 2
LR 2039931	MYRNA L. MEDOFF	ABRAHAM ZIFF & WF. SADIE	DJ	6/1/62	6/21/62	PARCEL 2
LR 2334226	ABRAHAM I. ZIFF & WF.	LESTER ZIFF et al, TRUSTEES UNDER TRUST AGREEMENT DTD 5/3/67 AND KNOWN AS THE ABRAHAM I. ZIFF REVOCABLE TRUST	DT	5/3/67	7/10/67	UNDIVIDED 1/2 PARCEL 2
						(FORWARD)

[illegible]

# **SWS** REFERENCE NUMBER 3 *Illinois State Water Survey*

Telephone (217) 333-4300  
Ground-Water Section  
2204 Griffith Drive  
Champaign, Illinois 61820-7495

December 15, 1989

Mr. Timothy J. Murphy  
Illinois Environmental Protection Agency  
DLPC/RPMS #24  
2200 Churchill Road  
P.O. Box 19276  
Springfield, IL 62794-9276

Dear Mr. Murphy:

Please find the computer printout of the private water well records available for the locations listed below. Also included is a sheet which explains the formatted information. The data included in this computerized database (the private Well Inventory Database) are those non-municipal wells which are known to the Illinois State Water Survey.

This information has been entered verbatim from well logs submitted by the driller, from chemical analysis reports, from well sealing forms or well inventory forms from the 1930-34 well survey and other special projects. The accuracy of this data is controlled by those who submitted the form. This information has not been field verified.

Locations:

Cook County:

T. 40N. R. 13E. Sec. 14  
T. 40N. R. 14E. Secs. 8, 20, 29-33  
T. 39N. R. 13E. Sec. 11  
T. 39N. R. 14E. Secs. 7, 8

On a separate printout as you requested.

Cook County:

T. 39N. R. 12E. Secs. 13, 24  
T. 39N. R. 13E. Secs. 11, 13  
T. 39N. R. 14E. Sec. 30

RECEIVED  
DEC 21 1989  
IEPA/DLPC



A Division of the

Illinois Department of Energy and Natural Resources

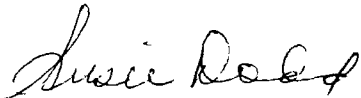
According to our files, there were no available records available for the following locations:

Cook County:

T. 40N. R. 13E. Secs. 11-13, 15, 21-18, 33-36  
T. 40N. R. 14E. Secs. 7, 16-19, 21, 28  
T. 39N. R. 13E. Secs. 1-10, 12, 14-36  
T. 39N. R. 14E. Sec. 4, 18, 19

If we can be of further assistance, please call.

Sincerely,

A handwritten signature in cursive script, appearing to read "Susie Dodd".

Susie Dodd  
Technical Assistant  
Phone: (217) 333-9043

SD/mh

Enclosures as stated

The following is an explanation of the ISWS Private Well Database Printout.

1-3 101	4-8 02N11W06E	9-18 JUN BURNS	11-18 HACKER	11-18 021090	12-14 X	15-16 2932	17-18 16	19-20 L	21-22 DO	23-24 LN
------------	------------------	-------------------	-----------------	-----------------	------------	---------------	-------------	------------	-------------	-------------

Columns	Field Length	Name	Description
1-3	3	FIPS	County Code Number

FIPS means Federal Information Processing System and is a Federal number to designate a county.

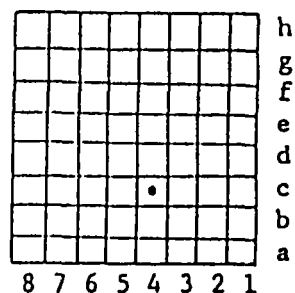
4-8	5	SGS County number
-----	---	-------------------

SGS County number is the Geological Survey ID# that is assigned as an internal identification number.

9-18	10	Location	Township columns 9-11	Range columns 12-14	Section columns 15-16	Plot columns 17-18
------	----	----------	-----------------------	---------------------	-----------------------	--------------------

The location system uses the township, range, and section. The location consists of five parts: county, township, range, section, and coordinate within the section. Sections are divided into rows of 1/8-mile squares. Each 1/8-mile square contains 10 acres and corresponds to a quarter of a quarter of a quarter section. A normal section of 1 square mile contains 8 rows of 1/8-mile squares; an odd-sized section contains more or fewer rows. Rows are numbered from east to west and lettered from south to north as shown in the diagram.

St. Clair County  
T.2N., R.10W.  
Sec. 23



The location of the well shown above is STC 2N10W-23.4c. Where there is more than one well in a 10-acre square they are identified by arabic numbers after the lower-case letter in the well number.

Columns	Field Length	Name	Description
93-94	2	Well type -	A two letter code indicating the type of well Blank - Assumed drilled BD Bored and dug DU Dug (being phased out) DR Driven SP Sand point SG Spring
95-96	2	Aquifer type -	A two letter code indicating aquifer type Blank - Undeterminable BR Bedrock UN Unconsolidated

The data in the Private Well Inventory Database is a listing of those non-municipal wells which are known to the Illinois State Water Survey (ISWS). This information has been entered verbatim from well logs submitted by the driller, from chemical analysis reports, from well sealing forms or well inventory forms from the 1930-34 well survey and other special projects. The accuracy of this data is controlled by those who submitted the form. Information in the private well database has not been field verified.

Columns	Field Length	Name	Description
19-48	30	Owner	
49-68	20	Driller	
69-75	7	Date	Month columns 69-70 Day columns 71-72 Century columns 73 Year columns 74-75
76	1	Permit code letter indicates agency which issued permit #.	
		M	Mines and Minerals (after 1988 only observation wells and irrigation wells)
		P	Public Health - all non-community supplies
		E	EPA - Community supplies
		N	No fee
		X	Undetermined
77-82	6	Permit number	
83-86	4	Depth (in feet)	
87-90	4	Record type -	Indicates paper source that documents the well exists, since records were collected before well log submittal was required.
		L	Log
		A	Affidavit
		C	Chemical analysis
		I	Inventory
		X	Indicates comment in owner field something unusual
91-92	2	Well use -	A two letter code indicating the usage of the well
		CM	Commercial
		CO	Conservation
		DO	Domestic
		IN	Industrial
		IR	Irrigation
		MO	Monitoring
		MU	Municipal
		NC	Non-Community
		OB	Observation
		PK	Park
		SC	School
		ST	State



County: Cook

Locations Involved in Search

TWN RNG SEC PLOT

39N 12E 13 \*

39N 12E 24 \*

39N 13E \* \*

39N 13E 11 \*

39N 13E 13 \*

39N 14E 30 \*

Illinois State Water Survey: Report from the Private Well Database, 12/15/89 , Page 1

	1	2	3	4	5	6	7	8	9
1234567890123456789012345678901234567890123456789012345678901234567890									
031	39N12E131	BORDEN DAIRY CO			GEIGER		0000923	1615L	C IN
<del>031</del>	<del>39N12E135</del>	<del>FOREST PARK</del>			<del>GEIGER</del>		<del>0000924</del>	<del>2114L</del>	<del>MJ BR</del>
<del>031</del>	<del>39N12E135</del>	<del>FOREST PARK (DEP COULD BE 2015)</del>					<del>0000892</del>	<del>2012L</del>	<del>XC MJ BR</del>
<del>031</del>	<del>39N12E135</del>	<del>FOREST PARK (DEP COULD BE 1668)</del>					<del>0000892</del>	<del>1650</del>	<del>XC MJ BR</del>
0310026139N12E137	GALTENHEIM-GERMAN OLD FOLKS HOME	P MILLER					1100959	1661L	C CM BR
031	39N12E242	CENTRAL PROCESS CORP			J P MILLER		0600643	403L	C IN
031	39N13E11	BUNTE BROS (REDRILLED IN 1926 GEIGER/J P MILLER					0000919	1962LX	IN BR
031	39N13E11	BUNTE BROS (REDRILLED IN 1926 GEIGER/J P MILLER					0000919	1962LX	IN BR
031	39N13E13	HEYWOOD WAKEFIELD/HEYWOOD BROS			J P MILLER		0000000	1615L	DO BR
031	39N13E13	HEYWOOD WAKEFIELD/HEYWOOD BROS			J P MILLER		0000000	1615L	DO BR
031	39N13E132	AIR MOTOR CO					0000895	350L	IN
031	39N13E132	AIR MOTOR CO					0000895	350L	IN
031	39N13E24	STANDARD BRANDS/FLEISCHMAN YEAGEIGER					0000000	1280	IIN BR
031	39N13E24	STANDARD BREWING CO			J P MILLER		0000000	2120	IIN BR
031	39N13E24	STANDARD BRANDS/FLEISCHMAN YEAGEIGER					0500916	1872	IIN BR
031	39N13E24	AMERICAN MALT CO (DEEPENED IN J P MILLER					0000897	1603LX	IN BR
031	39N13E24	STANDARD BRANDS (WELL B)					0000924	1902	IIN BR
031	39N13E24	STANDARD BRANDS (WELL A)			GEIGER		0000922	1982	CIIN BR
<del>031</del>	<del>39N13E295</del>	<del>STICKNEY COMM HIGH SCHOOL DIST</del>	<del>BOYSEN</del>				<del>0900948</del>	<del>375LX</del>	<del>ISC BR</del>
<del>031</del>	<del>39N13E303</del>	<del>BBERWYN #1</del>			<del>J P MILLER</del>		<del>0000892</del>	<del>1571L</del>	<del>MJ BR</del>
<del>031</del>	<del>39N13E303</del>	<del>BBERWYN #2</del>					<del>0000912</del>	<del>1570L</del>	<del>MJ BR</del>
031	39N13E346	AMERICAN CEREAL/ACME MALT CO					0000900	160L	IN BR
031	39N14E301	CHICAGO CURLED HAIR CO					0000895	350L	IN

*The*  
*Condensed Chemical*  
*Dictionary*

NINTH EDITION

*Revised by*

*GESSNER G. HAWLEY*

*Coeditor, Encyclopedia of Chemistry*  
*Coauthor, Glossary of Chemical Terms*



**VAN NOSTRAND REINHOLD COMPANY**

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rally occurring nonessential amino acid. The common form is L(+)-aspartic acid. Nontoxic.

Properties: Colorless crystals; soluble in water; insoluble in alcohol and ether; optically active.

DL-aspartic acid: M.p. 278–280°C with decomposition; sp. gr. 1.663 (12/12°C).

L(+)-aspartic acid: M.p. 251°C.

D(-)-aspartic acid: M.p. 269–271°C with decomposition; sp. gr. 1.6613.

Source: Young sugar cane; sugar beet molasses.

Derivation: Hydrolysis of protein; reaction of ammonia with diethyl fumarate.

Uses: Biological and clinical studies; preparation of culture media; organic intermediate; dietary supplement; detergents; fungicides; germicides; metal complexation; synthetic sweetener base (L-form).

Available commercially as D(-), L(+), and DL-aspartic acid.

**aspartocin.** USAN for antibiotic produced by *Streptomyces griseus*.

**aspergillilic acid**  $C_{12}H_{20}N_2O_2$ . 2-Hydroxy-3-isobutyl-6-(1-methylpropyl)pyrazine 1-oxide. An antibiotic from strains of *Aspergillus flavus*. Nontoxic.

Properties: Solid. M.p. 97°C; insoluble in cold water; soluble in common organic solvents and dilute acids. Hydrochloride melts at 178°C and is soluble in water.

**asphalt** (petroleum asphalt, Trinidad pitch, mineral pitch). A dark-brown to black cementitious material, solid or semisolid in consistency, in which the predominating constituents are bitumens, which occur in nature as such or are obtained as residua in petroleum refining (ASTM). It is a mixture of paraffinic and aromatic hydrocarbons and heterocyclic compounds containing sulfur, nitrogen, and oxygen.

Properties: Black solid or viscous liquid; sp. gr. about 1.0; soluble in carbon disulfide. Flash point 450°F; autoignition temp. 900°F; solid softens to viscous liquid at about 200°F; penetration value (paving) 40–300 (roofing) 10–40. Good electrical resistivity. Combustible; low toxicity.

Occurrence: California, Trinidad, Venezuela, Cuba, Canada (Athabasca tar sands).

Containers: Drums, barrels, tank trucks, tank cars.

Uses: Paving and road-coating; roofing; sealing and joint filling; special paints; adhesive in electrical laminates and hot-melt compositions; diluent in low-grade rubber products; fluid loss control in hydraulic fracturing of oil wells; medium for radioactive waste disposal; pipeline and underground cable coating; rust-preventive hot-dip coatings; base for synthetic turf; water-retaining barrier for sandy soils; supporter of rapid bacterial growth in converting petroleum components to protein.

See also bacteria; protein; asphalt, blown.

**asphalt, blown** (mineral rubber, oxidized asphalt, condensed asphalt). Black, friable solid obtained by blowing air at high temperature through petroleum-derived asphalt, with subsequent cooling. Penetration value 10–40; softening point 185–250°F. Combustible. Uses are primarily roofing, as diluent in low-grade rubber products, and as thickener in oil-based drilling fluids. Shipped in 55-gal. metal drums. For further information on asphalt, refer to the Asphalt Institute, 1270 Avenue of the Americas, New York, N.Y.

**asphalt, cut-back.** A liquid petroleum product, produced by fluxing an asphaltic base with suitable distillates. (A.S.T.M.)

Properties: Flash point (open cup) 50°F. Solubility

of residue from distillation in carbon tetrachloride 99.5%.

Hazard: Flammable, dangerous fire hazard.

Use: Road surfaces.

Shipping regulations: (Rail) Red label. (Air) Flammable Liquid label.

**asphaltene.** A component of the bitumen in petroleum, petroleum products, malthas, asphalt cements, and solid native bitumens, soluble in carbon disulfide but insoluble in paraffin naphthas. (A.S.T.M.)

**asphalt, liquid.** See residual oil; asphalt.

**asphalt, oxidized.** See asphalt, blown.

**asphalt paint.** Asphaltic base in a volatile solvent with or without drying oils, resins, fillers, and pigments. Ground asbestos is frequently used as a component of heavy asphaltic paints for roofing and waterproofing purposes.

Hazard: Flammable; dangerous fire risk.

**asphyxiant gas.** A gas which has little or no positive toxic effect but which can bring about unconsciousness and death by replacing air and thus depriving an organism of oxygen. Among the so-called asphyxiant gases are carbon dioxide, nitrogen, helium, methane, and other hydrocarbon gases.

**aspidospermine**  $C_{23}H_{30}O_2N_2$ .

Properties: White to brownish-yellow crystalline alkaloid. M.p. 108°C; b.p. 200°C (1 to 2 mm); sublimes at 180°C under reduced pressure. Soluble in fats and fixed oils; sparingly soluble in absolute alcohol and ether. Its sulfate and hydrochloride are soluble in water.

Hazard: Moderately toxic by ingestion.

Use: Medicine.

**aspirin** (acetylsalicylic acid; ortho-acetoxybenzoic acid).  $CH_3COOC_6H_4COOH$ .

Properties: White crystals or white, crystalline powder. Odorless; slightly bitter taste. Stable in dry air; slowly hydrolyzes in moist air to salicylic and acetic acids. Soluble in water, alcohol, chloroform, and ether; less soluble in absolute ether. Dissolves with decomposition in solutions of alkali hydroxides and carbonates. M.p. 132–136°C; b.p. 140°C (dec.).

Derivation: Action of acetic anhydride on salicylic acid. Method of purification: Crystallization.

Grades: Technical, U.S.P.

Containers: 25-lb boxes; 25-, 100-, 250-lb drums.

Hazard: An allergen; may cause local bleeding, especially of the gums; 10-gram dosage may be fatal. Dust dispersed in air is serious explosion risk.

Use: Medicine (anodyne).

**"Aspon."** Trademark for a concentrate of tetra-n-propyl dithionopyrophosphate, a liquid insecticide.

**assay.** Determination of the content of a specific component of a mixture, with no evaluation of other components. Such determinations are made on ores of various metals (especially precious metals), on pharmaceutical products to validate the amount of drug present in a given unit, and on organisms (bacteria) to determine their reactions to an antibiotic or insecticide. The latter procedure is called bioassay. Ores are assayed by heat fractionation, organic materials by solvent extraction and chemical separation.

**assistant.** A term loosely used in the textile industry for any chemical compound that aids in a processing step, e.g., scouring, dyeing, bleaching, finishing, etc. See also auxiliary; dyeing assistant.

**association.** A reversible chemical association of any of the weaker classes of chemical bonds. Thus the combination of two molecules with one another, or of a molecule with water molecules, is a combination of water or solvates, as copper ion with 8-hydroxyquinoline, and aqueous solutions of soaps or other substances often called association colloids.

**A-stage resin** (resole; one-stage catalyzed thermosetting resin consisting primarily of phenol alcohols. At this stage it is soluble in one or more ketones) and is fusible at 100°C. On further heating and with additive, the resin is even more soluble, infusible cross-linked. A-stage resin is a constituent of laminating varnishes, and molding powders. See B-stage resin; novolak; phenol-formaldehyde resin.

**astatine** At Element of atomic number 85. Periodic Table; atom number of the halogen family. Radioactive; derived by synthesis. The two most stable isotopes have half-lives of about 8 hours. Astatine is the most rare of the elements. Like iodine, its concentration in the earth's crust is still estimated.

**"Asterol" Dihydrochloride** of diamthazole dihydrochloride.

**A.S.T.M.** Abbreviation for American Society of Testing and Materials (q.v.).

**"Aston 108."** Trademark for a 20% active amine, 20% active. Uses: Durable antistatic agent.

**Aston, Francis William** (1893–1970) chemist and physicist with J. J. Thomson at Cavendish Laboratory, Cambridge, England, an investigator of isotopes and the lighter form of hydrogen, provided the technique of mass spectroscopy, and the discovery of the neutron. His discovery in 1922, that the first ionization potential of hydrogen is also correctly estimated by the hydrogen atom and the energy of this transition.

**"Astracel."** Trademark for a union shades on polyester.

**astrochemistry.** Strictly speaking, the study of the existence of chemical elements of interstellar space. Astrochemistry is the study of the chemical elements and compounds in the atmospheres of planets, from spectrographs and stars, from

## ENGINEER'S ANALYSIS SHEET

REFERENCE NUMBER

5

NP (704)  
swsoulCity Chicago County CookSection 24.12 Twp. No. 39N Range 13ELocation (in feet from section corner) 500' N, 400' W, SE corOwner Van Merritt Brewery #1 (formerly Monarch Brewery) Authority \_\_\_\_\_Contractor S. B. Feiger Address \_\_\_\_\_Date drilled 1913 Elev. above sea level top of well \_\_\_\_\_Depth 1600 ft

Log \_\_\_\_\_

Were drill cuttings saved \_\_\_\_\_ Where filed \_\_\_\_\_

Size hole \_\_\_\_\_ If reduced, where and how much \_\_\_\_\_

Casing record \_\_\_\_\_

Distance to water when not pumping 477 Oct 2, 1961 Distance to water is \_\_\_\_\_feet after pumping at 350 G.P.M. for several hours.

Reference point for above measurements \_\_\_\_\_

Type of pump \_\_\_\_\_ Distance to cylinder 597'

Length of cylinder \_\_\_\_\_ Length of suction pipe below cylinder \_\_\_\_\_

Length stroke \_\_\_\_\_ Speed \_\_\_\_\_

Hours used per day \_\_\_\_\_ Type of power \_\_\_\_\_

Rating of motor \_\_\_\_\_ Rating of pump in G.P.M. \_\_\_\_\_

Can following be measured: (1) Static water level \_\_\_\_\_

(2) Pumping level \_\_\_\_\_ (3) Discharge \_\_\_\_\_

(4) Influence on other wells \_\_\_\_\_

Temperature of water 61.5° F Was water sample collected Yes 1 galDate Nov 2, 1961 Effect of water on meters, hot water

coils, etc. \_\_\_\_\_

Date of Analysis \_\_\_\_\_ Analysis No. 156100Recorder Robert T. GasmanDate Nov 2, 1961

TOWN Chicago TOWNSHIP  
 COMPANY S. B. Geiger & Co.  
 FARM Fleischmann Yeast No.  
 AUTHORITY S. B. Geiger files  
 ELEVATION 599 ft.  
 COLLECTOR Workman DATE DRILLED  
 CONFIDENTIAL

Map No. 15  
 R. 13E

39  
 N 24

19th & Rockwell

No.	STRATA	Thickness		Depth	
		Feet	In.	Feet	In.
	Soil	54		54	
	Limestone	251		305	
	Shale	210		515	
	Limestone	227		842	
	Sandstone	878		920	
	Crevices	210		1130	
	Sandstone	10		1140	
	Limestone and crevices	35		1175	
	Crevices	90		1265	
	Limestone, broken & sandstone	118		1375	
	Sand, water-bearing	170		1545	
	Limestone	25		1570	
	Shale and shells	215		1785	
	Limestone	45		1830	
	Potsdam sandstone	152		1982	

54 - 18"  
 213 - 16"  
 249 - 10"  
 16" hole to 1280

OD pipe surface  
 pipe set at 515  
 pipe set at 1280

County COOK  
 T-DRILL RECORD  
 (11152-20-1-2)

Index No. 1524

TOWN Chicago TOWNSHIP  
 COMPANY S. B. Geiger  
 FARM Fleischman Yeast No.  
 AUTHORITY S.B. Geiger Files No.  
 ELEVATION  
 COLLECTOR Workman DATE DRILLED  
 CONFIDENTIAL 18th - Rockwell

Map No. 16

R. 13 E

39  
 N 24

No.	STRATA	Thickness		Feet
		Feet	In.	
	Surface	68	6	
	Limestone, white	247	6	315
	Shale	79		393
	Shale, gray, sandy	15		410
	Shale, very muddy	105		515
	Limestone, white	185		700
	Limestone, very hard, gray	90		790
	Limestone, hard	54		844
	Sand	112		956
	Limestone, sandy	74		1030
	Limestone, very hard	56		1086
	Limestone, softer	63		1149
	Limestone crevices, lots of water	21		1170
	Limestone	105		1275
	Sand, soft	83		1358
	Sand, hard-soft	69		1427
	Sand, soft, white	103		1530
	Limestone, hard, blue	27		1557
	Limestone, gray	23		1580
	Shale, muddy and shells	155		1735
	Limestone	20		1755
	Shale	37		1792
	Limestone	25		1817
	Potsdam sand	55		1872

68' - 6" 10" to rock 72' - 7" pipe  
 10" hole to 515 874 to 956  
 NO ENVELOPE 8" hole to 515-956 7" hole 956-1872

County COOK  
 T-DRILL RECORD  
 (11152-20-1-28)

Index No. 1605

24-39N-13E

White Copy -  
Ill. Dept. of Public Health  
Yellow Copy - Well Contractor  
Blue Copy - Well Owner

# INSTRUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFO. INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS 62706 DO NOT DETACH GEOLOGICAL / WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

## ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Well  
Bored \_\_\_\_\_ Hole Diam. 15 in. Depth 1689 ft.  
Buried Slab: Yes \_\_\_\_\_ No \_\_\_\_\_  
Drive Pipe Diam. \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.  
☒ Finished in Drift \_\_\_\_\_ In Rock ☒  
Gravel Packed \_\_\_\_\_

(KIND)	FROM (Ft.)	TO (Ft.)

2. Distance to Nearest:  
Building \_\_\_\_\_ Ft. Seepage Tile Field \_\_\_\_\_  
Cess Pool \_\_\_\_\_ Sewer (non Cast iron) \_\_\_\_\_  
Privy \_\_\_\_\_ Sewer (Cast iron) \_\_\_\_\_  
Sept. Tank \_\_\_\_\_ Barnyard \_\_\_\_\_  
Lagooning Pit \_\_\_\_\_ Manure Pile \_\_\_\_\_
3. Is water from this well to be used for human consumption?  
Yes ☒ No \_\_\_\_\_
4. Date well completed July 24, 1970
5. Permanent Pump Installed? Yes \_\_\_\_\_ No ☒  
Manufacturer \_\_\_\_\_ Type \_\_\_\_\_  
Capacity \_\_\_\_\_ gpm. Depth of setting \_\_\_\_\_ ft.
6. Well Top Sealed? Yes ☒ No \_\_\_\_\_
7. Pitless Adaptor Installed? Yes \_\_\_\_\_ No \_\_\_\_\_
8. Well Disinfected? Yes ☒ No \_\_\_\_\_
9. Water Sample Submitted? Yes ☒ 183182 Jan 7-24-70 No \_\_\_\_\_

REMARKS: Well not shot  
Also known as Turner Construction Co. well.

IDPH 4.065  
10/68

## GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Illinois Bell Telephone Well No. 1  
Address 10 S Canal Street, Chicago, Illinois  
Driller C. Wehling License No. 92-56
11. Permit No. 9084 Date Feb. 21, 1970
12. Water from Sandstone Formation  
at depth \_\_\_\_\_ to \_\_\_\_\_ ft. Sec. 16.61  
14. Screen: Diam. \_\_\_\_\_ in. Twp. 39N  
Length: \_\_\_\_\_ ft. Slot \_\_\_\_\_ Rge. 14E  
25'S 190°E / NW 1/4 Elev. 595
13. County Cook
15. Casing and Liner Pipe

Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)
26		0	119
20	Cemented	0	597
16		982 1/2	1075

SHOW  
LOCATION IN  
SECTION PLAT  
Hole:  
36" - 119  
36" - 597  
19" - 1075  
15" - 1699

16. Size Hole below casing: 15 in.
17. Static level 525 ft. below casing top which is \_\_\_\_\_ ft.  
above ground level. Pumping level 589 ft. when pumping at 916  
gpm for 23 1/2 hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Drift	91	91
Sand & Gravel	9	100
Sand	15	115
Lime	315	1430
Shale	23	1453
Lime & Shale	16	1469
Shale	104	1573
Lime	337	1910
Sand	90	2000
Shale	11	2019
Sand Lime Shale	25	2044
Lime	27 1/2	2318

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED E.C. Wehling, Pres. DATE 7-30-70 over

Yellow  
Blue

by - Well Contractor  
- Well Owner

PARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD,  
ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL AND WATER SURVEYS SECTION. BE SURE TO  
PROVIDE PROPER WELL LOCATION.

## ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

### 1. Type of Well

- a. Dug \_\_\_\_ Bored \_\_\_\_ Hole Diam. 15 in. Depth 1689 ft.  
Curb material \_\_\_\_ Buried Slab: Yes \_\_\_\_ No \_\_\_\_
- b. Driven \_\_\_\_ Drive Pipe Diam. \_\_\_\_ in. Depth \_\_\_\_ ft.
- c. Drilled X Finished in Drift \_\_\_\_ In Rock X  
Tubular \_\_\_\_ Gravel Packed \_\_\_\_
- d. Grout:

(KIND)	FROM (Ft.)	TO (Ft.)

### 2. Distance to Nearest:

Building \_\_\_\_ Ft. Seepage Tile Field \_\_\_\_  
Cess Pool \_\_\_\_ Sewer (non Cast iron) \_\_\_\_  
Privy \_\_\_\_ Sewer (Cast iron) \_\_\_\_  
Septic Tank \_\_\_\_ Barnyard \_\_\_\_  
Leaching Pit \_\_\_\_ Manure Pile \_\_\_\_

### 3. Is water from this well to be used for human consumption?

Yes X No \_\_\_\_

### 4. Date well completed July 24, 1970

5. Permanent Pump Installed? Yes \_\_\_\_ No X  
Manufacturer \_\_\_\_ Type \_\_\_\_  
Capacity \_\_\_\_ gpm. Depth of setting \_\_\_\_ ft.

6. Well Top Sealed? Yes X No \_\_\_\_

7. Pitless Adaptor Installed? Yes \_\_\_\_ No \_\_\_\_

8. Well Disinfected? Yes X No \_\_\_\_

9. Water Sample Submitted? Yes X No \_\_\_\_

### REMARKS:

IDPH 4.065  
10/68

## GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner Illinois Bell Telephone Co. Well No. \_\_\_\_

Address 10 S Canal Street, Chicago, Illinois

Driller E. C. Wehling License No. 92-56

11. Permit No. 9084 Date Feb. 24, 1970

12. Water from \_\_\_\_ Formation \_\_\_\_ 13. County Cook

at depth \_\_\_\_ to \_\_\_\_ ft.

Sec. 16

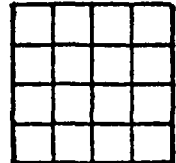
14. Screen: Diam. \_\_\_\_ in.

Twp. 39N

Length: \_\_\_\_ ft. Slot \_\_\_\_

Rge. 14E

Elev. \_\_\_\_



### 15. Casing and Liner Pipe

Diam. (In.)	Kind and Weight	From (Ft.)	To (Ft.)
26		0	119
20	Cemented	0	597
16		982 1/2	1075

SHOW  
LOCATION IN  
SECTION PLAT

Lot 1 Block 49  
at 10 S. Canal St.  
in above section

16. Size Hole below casing: 15 in.

17. Static level 330 ft. below casing top which is \_\_\_\_ ft.  
above ground level. Pumping level \_\_\_\_ ft. when pumping at \_\_\_\_  
gpm for \_\_\_\_ hours.

18. FORMATIONS PASSED THROUGH	THICKNESS	DEPTH OF BOTTOM
Drift	91	91
Sand & Gravel	9	100
Sand	15	115
Lime	315	1430
Shale	23	1453
Lime & Shale	15	1468
Shale	10 1/2	1478 1/2
Lime	337	1815 1/2
Sand	98	1913 1/2
Shale	11	1924 1/2
Sand Lime Shale	25	1949 1/2
Lime	27 1/2	1976 1/2

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED E. C. Wehling, Inc. DATE 7-30-70

Wehling Well Works, Inc.